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INTRODUCTION

One of the functions long associated with Picatinny Arsenal has been research concerned with explosives--work now continued by ARRADCOM. To assist researchers in this field, a bibliography of monographs and a holdings list of journals from the Scientific and Technical Information Division (Technical Library), Technical Support Directorate, has been compiled. This publication does not include technical reports cataloged in the Library.

The monographs are listed chronologically by decade, and the library call number is included. As an aid in accessing this material, a personal name index of authors and editors is provided. The usefulness of this information can best be determined by the researchers, so it is hoped that comments and constructive criticism will be relayed to the library staff.

MONOGRAPHS

1900-1909

1. Sanford, Percy Gerald

Nitro-explosives: A Practical Treatise Concerning the Properties, Manufacture, and Analysis of Nitrated Substances, Including the Fulminates, Smokeless Powders, and Celluloid.

2nd ed., rev. and enlarged.

London, Crosby Lockwood and Son.

(TP270 S3)

1906

2. Escales, Richard

Notroglyzerin und Dynamit.

Leipzig: Verlag von Veit & Co.

(TP288 E8)

1908

3. Escales, Richard

Ammonsalpetersprengstoffe.

Leipzig: Veit & Co.

(TP270 E71)

1909

1910-1919

4. Escales, Richard

Chloratsprengstoffe.

Leipzig: Veit & Co.

(TP270 E7)

1910

5. Chalon, Paul Frederic

Les Explosifs Modernes.

3 ed., entierement refondue.

Paris and Liege: C. Beranger.

(TP270 C41)

1911

6. Brunswig, Heinrich

Explosives: A Synoptic and Critical Treatment of the Literature of the Subject as Gathered from Various Sources.

1st ed.

New York: J. Wiley & Sons.

(TP270 B7)

1912

7. Quinan, W. R.
High Explosives.
New York: Critchley Parker.
(TP270 Q8)
1912

8. Escales, Richard
Schwarzpulver und Sprengsalpeter.
Leipzig: Verlag von Veit.
(TP270 E72)
1914

9. Escales, Richard
Nitrosprengstoffe (Pikrinsäure, Trinitrotoluol u.a.).
Leipzig: Veit and Co.
(TP270 E73)
1915

10. Marshall, Arthur
A Short Account of Explosives.
London: Churchill.
(TP270 M33)
1917

11. Colver, E. de Wykersley Swyft
High Explosives: A Practical Treatise.
New York: Van Nostrand.
(TP270 C7)
1918

12. Barnett, Edward de Barry
Explosives.
New York: Van Nostrand Co.
(TP270 B3)
1919

13. Faber, Henry B.
Military Pyrotechnics: The Manufacture of Military Pyrotechnics.
Vols. 1-3.
Washington: GPO.
(UF860 F3)
1919

1920-1929

14. Marshall, Arthur
Dictionary of Explosives.
London: Churchill.
(TP270 M35)
1920
15. Partington, James Riddick
The Alkali Industry.
2nd ed.
New York: D. Van Nostrand Co.
(TP291 P3)
1925
16. Naoum, Phokion
Schiess- und Sprengstoffe.
Dresden and Leipzig: Verlag von Theodor Steinkopff.
(TP270 N3)
1927
17. Van Gelder, Arthur Pine, and Hugo Schlatter
History of the Explosives Industry in America.
New York: Columbia University Press.
(TP269 V3)
1927
18. Naoum, Phokion
Nitroglycerine and Nitroglycerine Explosives.
Baltimore: Williams & Wilkins Co.
(TP288 N3)
1928

1930-1939

19. Assheton, Ralph, Comp.
History of Explosions on Which the American Table of Distances Was Based, Including Other Explosions of Large Quantities of Explosives.
Wilmington, Del.: Press of Charles L. Story Co.
(TP270 A7)
1930

20. Munroe, Charles E., and J. E. Tiffany
Physical Testing of Explosives: At the Bureau of Mines Explosives Experiment Station, Bruceton, PA. Bureau of Mines Bulletin 346.
Washington: GPO.
(TP272 M8)
1931

21. Marshall, Arthur
Explosives. Vols. 1-3.
2nd ed.
Philadelphia: P. Blakiston's Son & Co.
(TP270 M3)
1932

22. Giua, Michele
Lezioni di Explosivi: Parte Analitica.
Torino, Italy: Accademia e della Scuola di Applicazione di Artiglieria e Genio.
(TP270 G5)
1933

23. Mathieu, M.
La Gelatinisation des Nitrocelluloses: Reaction Topochimique.
Paris: Herman & Co.
(TP287 M3)
1936

24. Hayes, T. J.
Elements of Ordnance.
Wiley.
(UF145 H3)
1938

25. Reilly, Joseph
Explosives, Matches, and Fireworks.
New York: Van Nostrand Co.
(TP300 R4)
1938

1940-1949

26. U.S. Picatinny Arsenal, The Ordnance School
Ammunition, Powder, and Explosives. Vols. 1-6.
Dover, NJ.
(TP270 U6)
1940

27. *Lead Azide Manual.*
Dupont.
(TP292 L4 D8)
1942

28. *Royal Engineer's Demolitions Handbook.*
Reprint of 1942 ed.
Phoenix, Ariz.: Desert Publications.
(UG370 R69)
1942

29. Bebie, Jules
Manual of Explosives, Military Pyrotechnics, and Chemical Warfare Agents: Composition, Properties, Uses.
New York: The Macmillan Co.
(TP268.4 B4)
1943

30. Davis, Tenney Lombard
The Chemistry of Powder and Explosives. Vols I and II.
New York: J. Wiley & Sons, Inc.
(TP270 D3 1941-43)
1943

31. Stettbacher, Alfred
Die Energievergrosserung von Sprengstoffen Durch Aluminiumzusatz - ein Problem der Gegenwart und Zukunft.
Solothurn, Switz.: Swiss Society for Air Protection.
(TP295 A3 S8)
1943

32. Zuckerman, V. A.
Radiography of Explosion and Detonation Process. From Comptes Renders (Doklady) de l'Academie de Science de l'URSS, Vol 40, No. 7, p. 267-270.
(TP270.2 Z7)
1943

33. Strom, Hans
Dictionary of Ordnance Terms: Arms, Ammunition and Explosives, Including Other War Materiel in Five Languages: English, French, German, Italian, and Spanish.
New York: Frederick Ungar Pub. Co.
(U25 S9)
1944

34. U.S. Bureau of Mines
Procedure for Applying for Tests Made on Explosives (Including Sheathed Explosives) and Blasting Devices by the Bureau of Mines. Prescribed Conditions and Requirements for Permissibility When Used in Coal Mines and Schedule of Fees for the Tests.
Schedule 1E.
Washington: GPO.
(TP272 U15)
1944

35. U.S. Bureau of Ordnance
An Outline of Statistical Methods for Explosives Research.
Explosive Research Memorandum No. 9.
Washington: GPO.
(TP272 U2)
1944

36. Ara, Antonio Perez
Tratado de Explosivos.
1st ed.
Havana: Editorial Cultural, S.A.
(TP268 A7)
1945

37. Davis, R. O. E.
Explosibility and Fire Hazard of Ammonium Nitrate Fertilizer.
U.S. Dept. of Agriculture Circular 719.
Washington: GPO.
(TP295 A5 D3)
1945

38. Mantrov, M. I.
Measurement of the Coefficient of Thermal Expansion of Some Explosives. Vol 6, Journal of Chemical Industry - Russia, pp. 1686-1688, 1929.
(TP272.2 M31)
1945

39. Brown, F. W., D. J. Kusler, and F. C. Gibson
Sensitivity of Explosives to Initiation by Electrostatic Discharges. U.S. Bureau of Mines Report of Investigations 3852.
Washington: GPO.
(TP273.5 B7)
1946

40. Ohart, T. C.
Elements of Ammunition.
Wiley.
(UF700 04)
1946

41. Stettbacher, Alfred
Spreng- und Schiesstoffe, Atomzerfallselemente und Ihre Entlandungserscheinungen.
Zurich: Rascher.
(TP268 S7)
1948

42. Vivas, Martinez, and Rojas Feigenspan
Polvoras y Explosivos Modernos. Vols. 1-5.
4th ed.
Madrid: Imprenta del Servicio Geografico del Ejercito.
(TP270 V4)
1948

43. Caprio, Camillo
Corso di Explosiv. Vol. II.
Rome: Scuola Salesiana del Libro.
(TP270 C3)
1949

1950-1959

44. Belyaev, A. F.
The Ignition of Explosives and the Transition from Combustion to Detonation. From: *Journal of Applied Chemistry of the U.S.S.R.*, Vol. 23, pp. 451-458.
(TP273 B4)
1950

45. Fabel, Karl
Nitrocellulose.
Stuttgart: Ferdinand Enke.
(TP287 F3)
1950

46. Pepin-Lehalleur, Jean
Traite des Poudres, Explosifs et Artifices.
Paris: Bailliere et Fils.
(TP270 P4)
1950

47. Tharaldsen, Theodor
Eksplosivstoffer.
Oslo: Dreyer.
(TP270 T4)
1950

48. U.S. Military Academy, West Point, Dept. of Ordnance
Explosives.
West Point: U.S. Military Academy.
(TP270 U45)
1950

49. Belgrano, Camillo
*Gli Esplosivi; con Particolare Riferimento a Quelli da Mina,
Agli Innescante, alle Polveri e Cartucce da Caccia e Descrizione
del Loro Impiego.*
Milan: Editore Ulrico Hoepli.
(TP268 B4)
1952

50. Cook, Melvin Alonzo
The Amazing Story of Explosives. Bulletin of the University
of Utah, Vol. 42, No. 7.
Salt Lake City: Extension Division, University of Utah.
(TP268 C6)
1952

51. Taylor, James
Detonation in Condensed Explosives.
London: Oxford University Press.
(TP291 D4 T3)
1952

52. Berliner, J. J.
Explosives.
New York: J. J. Berliner.
(TP268.4 B5)
1953

53. Naoum, Phillip, and Aloph Berthmann
Explosivstoffe. In Winnacker-Weingaertner/Chemische Technologie,
Vol. 4, pp. 360-421.
Munich: Carl Hanser Verlag.
(TP145 W5 V4)
1954

54. Gonzalez, Elias Manuel Mateo
Explosivos - Para Los Cursos Regionales de Oficiales y Suboficiales de Infanteria Caballeria y Artilleria.
Madrid: Ediciones Ejercito.
(TP270 G6)
1955

55. Miles, Frank Douglas
Cellulose Nitrate, the Physical/Chemistry of Nitrocellulose, Its Formation and Use.
1st ed.
Published for Imperial Chemical Industries by Oliver and Boyd.
(TP287 M5)
1955

56. Cottenham, Jean
Les Explosifs, Au Service de L'Agriculture.
Paris: La Maison Rustique.
(TP270 C6)
1956

57. Gorst, August C.
Porokha i Vzryvchatye Veshchestva.
Moscow: Gos. izd-vo Obor. Promyshl.
(TP270 G78)
1957

58. Khitrin, Len Nikolaevich
Fizika Gorenija i Vzryva.
Izd-vo Moskovskogo Universitets.
(QD516 K42)
1957

59. Cook, Melvin Alonzo
The Science of High Explosives. ACS monograph series 139.
New York: Reinhold.
(TP270 C66)
1958

60. McAdam, Robert, and R. Westwater
Mining Explosives.
Edinburgh: Oliver and Boyd.
(TN279 M2)
1958

61. Austin, Carl Fulton
Lined Cavity Shaped Charges and Their Use in Rock and Earth Materials. New Mexico Bureau of Mines and Mineral Resources, Bulletin 69.
Socorro: State Bureau of Mines and Mineral Resources, New Mexico Institute of Mining and Technology, (TN279 A88)
1959
62. Bandurin, Mikhail Kuzmich
Sbornik Zadach Poteorii Vzryvchalykh Veshchstv. Collection of Problems on the Theory of Explosives.
Moscow.
(TP270 B2)
1959
63. Baum, Philipp A.
Physics of an Explosion. Vols. 1-2. (Translation of the Russian)
Moscow: Gos izd-vo Fiziko-Matematicheskoe lit-ri.
(TP270 B33)
1959
64. Grant, R. L. et al
Influence of Borehole Freespace on Ignition of Firedamp by Explosives. Bureau of Mines Report of Investigations 5486.
Washington: Dept. of the Interior.
(TP271 G7)
1959
65. Hanna, Norman E., G. H. Damon, and R. W. Van Dolah
Probability Studies on the Icendivity of Permissible Explosives; Effect of Small Percentages of Sodium Chloride. Bureau of Mines Report of Investigations 5463.
Washington: U.S. Dept. of the Interior, Bureau of Mines.
(TP297 H35)
1959
66. Nauckhoff, Sigurd, and Ovar Bergstrom
Nitroglycerin och Dynamit: Bidrag till Fabrikationens Historia.
Gyttorp, Sweden: Nitroglycerin Aktidbolaget.
(TP285 N3)
1959

67. Penner, S. S., and B. P. Mullins
Explosions, Detonations, Flammability, and Ignition.
AGARDograph 31.
London: Pergamon Press.
(QD516 N6e)
1959

68. Taylor, James
Solid Propellant and Exothermic Compositions.
New York: Interscience Publishers.
(QD516 T3)
1959

69. Taylor, Wilfrid
Modern Explosives. Royal Institute of Chemistry. Lectures, Monographs, and Reports, 1959, No. 5.
London. The Institute.
(TP270 T3)
1959

70. Trattato Di Chimica Industriale
Sotto La Direzione Di Michele Giua. Vol. 6, parts I and II.
Torino: Unione Tipografico-editrice torinese.
(TP270 T7)
1959

1960-1969

71. Andreev, Konstantin K.
Teoriia Vzryvchatykh Veshchestv. Theory of Explosives.
Moscow: Oborongiz.
(TP270 A4)
1960

72. Berthmann, Adolf
Explosinstoffe.
Munich: Carl Hanser Verlag.
(TP270 B41)
1960

73. Bofors, Aktiebolaget
Analytical Methods for Powders and Explosives.
Bofors, Sweden.
(TP270 B6)
1960

74. Dutton, William Sherman
One Thousand Years of Explosives: From Wildfire to the H-bomb.
1st ed.
Philadelphia: Winston.
(TP268 D9)
1960

75. Leet, Lewis Don
Vibrations from Blasting Rock.
Cambridge: Harvard University Press.
(TN279 L3)
1960

76. Manson, Numa
Determination par la "Methode Inverse" des Caracteristiques Desondes Explosives. Publications Scientifique et Techniques du Ministere de l'air 366.
Paris: Envente au Service de Documentation et d'Information Technique de l'Aeronautique.
(QD516 M35)
1960

77. Orlova, Ye. Yu
The Chemistry and Technology of High Explosives. Translation of the Russian.
Moscow: Gosudarstvennoye Nauchno-Tekhnicheskoye Izdatel'stvo.
(TP270 07)
1960

78. Partington, James Riddick
A History of Greek Fire and Gunpowder.
Cambridge: W. Heffer.
(TP268 P3)
1960

79. Schumacher, Joseph C.
Perchlorates: Their Properties, Manufacture, and Uses.
Reinhold.
(QD181 C5S2)
1960

80. Sokolik, Abram S.
Samovosplamenenie, Plamia i Detonatsiia v Gazakh.
Moscow: Izd-vo Akademii Nauk SSR.
(QD516 S68)
1960

81. Zel'dovich, IAkov Borisovich, and A. S. Kompaneets
Theory of Detonation. Translated from the Russian.
New York: Academic Press.
(QD516 Z3)
1960
82. Ellern, Herbert
Modern Pyrotechnics: Fundamentals of Applied Physical Pyrochemistry.
New York: Chemical Pub. Co.
(TP300 E44)
1961
83. Hanna, Norman E.
Factors Influencing the Incendivity of Permissible Explosives: Ammonium Nitrate and Carbonaceous Material. U.S. Bureau of Mines. Report of Investigations 5867.
Washington: U.S. Dept. of the Interior
(TP270 H3)
1961
84. Institut National de Securite pour la Prevention des Accidents du Travail et des Maladies Professionnelles
L'Emploi des Explosifs dans les Carrières.
Paris: The Institute.
(TP297 I4)
1961
85. Manuel Bickford, de l'Utilisation Pratique des Explosifs et Accessoires de Mine dans Leurs Diverses Applications.
3rd ed.
Rouen: Davey, Bickford, Smith & Co.
(TP270 D39)
1961
86. Van Dolah, R. W. et al
Relative Efficacy of Stemming Materials in Reducing Incendivity of Permissible Explosives. Bureau of Mines. Report of Investigations 5863.
Washington: U.S. Dept. of the Interior
(TN803 V3)
1961

87. Weichert, Friedrich
Handbuch der Sprengtechnik.
Leipzig: Deutscher Verlag fur Grundstoffindustrie.
(TN279 W41)
1961

88. Association of American Railroads, Bureau of Explosives
Illustrating Methods for Loading and Bracing Carload and Less Than Carload Shipments of Explosives and Other Dangerous Articles. Pamphlet No. 6.
New York: Bureau of Explosives
(TP297 A7 1962)
1962

89. Berger, J., and J. Viard
Physique des Explosifs Solides.
Paris: Dunod.
(TP270 B45)
1962

90. Khitrin, Lev Nikolaevich
The Physics of Combustion and Explosion. Translation of the Russian.
Jerusalem: Israel Program for Scientific Translations.
(QD516 K4)
1962

91. Chidsey, D. B.
Goodbye to Gunpowder.
New York: Crown Publishers.
(TP268 C4)
1963

92. Fogg, G.
A Note on Some Statistical Aspects of Explosives Testing.
Safety in Mines Research Establishment, Research Report No. 218.
Safety in Mines Research Establishment.
(TP270 F6)
1963

93. Llorente Gomes, Emilio
Estudio de los Explosivos Industriales.
Madrid: Ediciones Interciencia.
(TP270 L5)
1963

94. Rinehart, John S., and J. Pearson
Explosive Working of Metals.
New York: Pergamon Press.
(TS257 R5)
1963
95. *Symposium on Explosives and Hazards and Testing of Explosives.*
Preprints of papers presented at the 145th National Meeting,
New York, Sept. 8-13.
New York: American Chemical Society.
(TP270 S9)
1963
96. Andreev, Konstantin K.
Thermische Zersetzung und Verbrennungsvorgänge Bei Explosivstoffen.
Mannheim: Ervin Barth Verlag KG.
(TP270 A53)
1964
97. Cartwright, A. P.
The Dynamite Company: The Story of African Explosives and Chemical Industries Limited.
London: Macdonald.
(TP270 C35)
1964
98. Urbanski, Tadeusz
Chemistry and Technology of Explosives. Vols. 1-3.
New York: Macmillan.
(TP270 U71)
1964
99. American Society for Testing and Materials, Committee E-15 on Analysis and Testing of Industrial Chemicals
Fire and Explosion Hazards of Peroxy Compounds. ASTM STP 394.
Philadelphia: ASTM.
(TP290 P5 A4)
1965
100. Freytag, Heinz H., ed.
Handbuch der Raumexplosionen.
Winheim: Verlag Chemie.
(TP149 F7)
1965

101. Great Britain Ministry of Transport
The Carriage of Dangerous Goods and Explosives in Ships: Report.
London: H. M. S. O.
(HE595 E8 G8)
1965
102. Kirk, Raymond E., and Donald F. Othmer, eds.
Encyclopedia of Chemical Technology. Vol. 8.
New York: Interscience.
(TP9 E6 V8)
1965
103. Lenz, Robert R.
Explosives and Bomb Disposal Guide.
Springfield, Ill.: C. C. Thomas.
(TP270 L3)
1965
104. *Special Forces Demolition Technique.* Extract from Army Field Manual FM 31-20.
Paladin Press.
(UG370 S6)
1965
105. American Chemical Society
Advanced Propellant Chemistry: A Symposium. Advances in Chemistry 54.
The Society.
(TL785 A3)
1966
106. Fordham, Stanley
High Explosives and Propellants.
1st ed.
Oxford and New York: Pergamon Press.
(TP270 F77)
1966
107. Glock, Gerhard
Explosionsgefahren und Explosionschutz in Betriebsstätten: Begriffe und Kennzahlen Brennbarer Flüssigkeiten, Gase und Staube.
2nd ed.
Weinheim: Verlag Chemie.
(QD516 G46)
1966

108. Pollard, F. B., and Jack H. Arnold, Jr. eds.
Aerospace Ordnance Handbook.
Prentice Hall.
(UF563 P6)
1966
109. Wilkinson, Norman B.
Explosives in History: The Story of Black Powder.
Chicago: Rand McNally.
(TP272 W5)
1966
110. Hansson, Jan, ed.
Symposium on Chemical Problems Connected with the Stability of Explosives. First - Stockholm, May 22-23, 1967.
Sektionen för Detonik'och Forbranning.
(TP271 S9)
1967
111. Dick, Richard A.
Factors in Selecting and Applying Commercial Explosives and Blasting Agents. Bureau of Mines IC8405.
Wash: U.S. Bureau of Mines.
(TP270 D5)
1968
112. Ellern, Herbert
Military and Civilian Pyrotechnics.
New York: Chemical Publishing Co.
(TP300 E45)
1968
113. U.S. Coast Guard
Rules and Regulations for Military Explosives and Hazardous Munitions: Excerpts from the 46 C.F.R. Part 146. CG108.
Washington: GPO.
(TP270 U51)
1968
114. Weyer, Edward M., Editor-in-Chief
Prevention of and Protection Against Accidental Explosion of Munitions, Fuels, and Other Hazardous Mixtures. Annals of the New York Academy of Sciences. Vol. 15, art. 1, p. 1-913.
New York: New York Academy of Sciences.
(TP297 P7)
1968

115. Holzmann, Richard T.
Chemical Rockets and Flame and Explosives Technology.
Marcel Dekker.
(TL783 H6)
1969

116. McLean, Donald B.
British Textbook of Explosives.
Oregon: Normount Technical Publications.
(TP270 M34)
1969

117. *Propellants Manufacture, Hazards, and Testing. Advances in Chemistry* No. 88.
American Chemical Society.
(TP270 P76)
1969

1970-1979

118. Johansson, C. H., and P. A. Persson
Detonics of High Explosives.
London and New York: Academic Press.
(TP270 J6)
1970

119. Meidl, James H.
Explosives and Toxic Hazardous Materials.
Beverly Hills, Calif.: Glencoe Press.
(T55.3 H3 M3)
1970

120. Hansson, Jan, ed.
Symposium on Chemical Problems Connected with the Stability of Explosives. Second - Tyringe, May 25-27, 1970.
Sektionen för Detonik och Förbranning.
(TP271 S9)
1970

121. Afanas'ev, G. T., and V. K. Bobolev
Initiation of Solid Explosives by Impact. TT 70-5007.
Jerusalem: Israel Program for Scientific Translation.
(TP271 A3)
1971

122. Gruschka, Heniz D., and F. Wecken
Gasdynamic Theory of Detonation.
New York: Gordon and Breach.
(QD516 G7)
1971

123. Aguilar Bartolome, F.
Los Explosivos y Sus Aplicaciones. Vol. I.
Madrid: Servicio de Publicaciones de la J.F.N.
(TA357 A3)
1972

124. Lancaster, Ronald et al
Fireworks: Principles and Practice.
New York: Chemical Publishing Co.
(TP300 L3)
1972

125. Meidl, James H.
Hazardous Materials Handbook.
Glencoe Press.
(TH9446 I47 M4)
1972

126. Stoffel, Joseph F.
Explosives and Homemade Bombs.
2nd ed.
Springfield, Ill.: Thomas.
(TP270 S88)
1972

127. *Symposium on Behavior and Utilization of Explosives in Engineering Design and Biomechanical Principles Applied to Clinical Medicine. 12th, March 2-3, 1972.*
New Mexico: University of New Mexico.
(TP270 S95)
1972

128. Brodie, Thomas G.
Bombs and Bombings: A Handbook to Detection, Disposal, and Investigation for Police and Fire Departments.
Springfield, Ill.: Thomas.
(TP270 B76)
1973

129. Brodie, Thomas G., and Dee Feldstein
The MTI Bombs Familiarization and Bomb Scare Planning Workbook.
Schiller Park, Ill.: Motorola Teleprograms.
(TP270 B75)
1973

130. Gregory, Cedric E.
Explosives for North American Engineers. Series on Rock and
Soil Mechanics, Vol. 1, 1971/73, No. 4.
Brendow & Sohn.
(TP270 G84)
1973

131. Hansson, Jan, ed.
*Symposium on Chemical Problems Connected With the Stability of
Explosives.* Third - Ystad, May 28-30, 1973.
Sektionen för Detonik och Förbränning.
(TP271 S9)
1973

132. Institut für Chemie der Treibstoff-Explosivstoffe
*Sichere Technologie: Entstehung und Wirkung Explosionsfähiger
Systeme.* Safe Technology: Generation and Action of Explosive
Systems.
Bundesrepublik, Deutschland: Karlsruhe.
(TP270 I5)
1973

133. International Association of Chiefs of Police
Bomb Incident Management. Police Technical Series No. 04.
Gaithersburg, Md: The Association.
(TP270 I55)
1973

134. American Trucking Association
*Department of Transportation Regulations Governing Transportation
of Hazardous Materials by Motor, Rail, and Water, Including
Specifications for Shipping Containers.*
Wash.: American Trucking Association.
(TP270 A55)
1974

135. Brauer, Karl O.
Handbook of Pyrotechnics.
New York: Chemical Publishing Co.
(TP300 B8)
1974

136. *CIA Ammunition and Explosives Supply Catalog.*
Paladin Press.
(TP270 C46)
1974

137. *CIA Explosives for Sabotage Manual.*
Paladin Press.
(TP270 C462)
1974

138. *Coast Guard Department of Transportation Regulations Governing the Transportation or Storage of Explosives or Other Dangerous Articles or Substances, and Combustible Liquids on Board Vessels.* Water Carrier Tariff no. 28.
Wash.: R. M. Graziano.
(TP270 C63)
1974

139. Cook, Melvin Alonzo
The Science of Industrial Explosives.
Salt Lake City: IRECO Chemicals.
(TP270 C77)
1974

140. James, Ronald W.
Propellants and Explosives. Chemical Technology Review no. 40.
Park Ridge, NJ: Noyes Data Corporation.
(TP270 J3)
1974

141. Belyaev, A. F. et al
Transition from Deflagration to Detonation in Condensed Phases.
TT74-50028.
Jerusalem: Israel Program for Scientific Translations.
(QD516 B48)
1975

142. Colorado Committee On Hazardous Materials Safety
Hazardous Materials Disaster Planning Conference, at Denver, Colorado, Jan. 21-24, 1975.
Denver: The Committee.
(T55.3 H3 C6)
1975

143. Meyer, Rudolf
Explosivstoffe.
4th ed.
Weinheim: Verlag Chemie.
(TP270 M48)
1975

144. Sax, N. Irving
Dangerous Properties of Industrial Materials.
4th ed.
New York: Reinhold.
(T55 S33)
1975

145. Glackin, James
Elements of Explosives Production.
Paladin Press.
(TP270 G53)
1976

146. Hansson, Jan, ed.
Symposium on Chemical Problems Connected With the Stability of Explosives. Fourth - Mölle, May 31-June 2, 1976.
Sektionen för Detonik och Förbränning.
(TP271 S9)
1976

147. *Pyrodex/Black Powder Data Manual.*
Hogdon Powder Co.
(TP272 P9)
1976

148. U.S. Bureau of Alcohol, Tobacco, and Firearms
Your Guide to Explosives Regulation, 1976.
Washington: GPO.
(TP297 U53)
1976

149. *American Engineer Explosives in World War I.*
Phoenix, Ariz.: Desert Publications.
(TP270 A5)
1977

150. *Blasters' Handbook: A Manual Describing Explosives and Practice Methods of Using Them.*
16th ed.
Wilmington: DuPont DeNemours & Co.
(TP279 D8)
1977
151. *CIA Field Expedient Methods for Explosives Preparation.*
Phoenix, Ariz.: Desert Publications.
(TP270 C452)
1977
152. *CIA Field Expedient Preparation of Black Powders.*
Phoenix, Ariz.: Desert Publications.
(TP270 C45)
1977
153. *CIA Improvised Sabotage Devices.*
Phoenix, Ariz.: Desert Publications.
(TP270 C4)
1977
154. Fair, H. D., and R. F. Walker, eds.
Physics and Chemistry of Inorganic Azides. Energetic Materials/Vol. 1.
New York: Plenum Press.
(TP270 E53 V1)
1977
155. Fair, H. D., and R. F. Walker, eds.
Technology of the Inorganic Azide. Energetic Materials Vol. 2.
New York: Plenum Press.
(TP270 E53 V2)
1977
156. Gregory, Cedric E.
Explosives for Australasian Engineers.
3rd ed.
Queensland: University of Queensland Press.
(TP270 G79)
1977

157. *Hazardous Materials Guide: Shipping, Materials, Handling, and Transportation.*
J. J. Keller & Assoc.
(HE199.5 D3 H3)
1977

158. Meyer, Eugene
Chemistry of Hazardous Materials.
Prentice Hall.
(TH9446 H38 M48)
1977

159. Meyer, Rudolf
Explosives.
New York: Verlag Chemie.
(TP270 M4)
1977

160. Stull, Daniel R.
Fundamentals of Fire and Explosion. A.I.C.H.E. Monograph Series Vol. 73, No. 10.
American Institute of Chemical Engineers.
(TP265 S8)
1977

161. Langefors, U., and B. Kihlström
The Modern Technique of Rock Blasting.
3rd ed.
Halsted Press.
(TN279 L314)
1978

162. National Fire Protection Association
Fire Protection Guide on Hazardous Materials.
7th ed.
The Association.
(T55.3 H3 N3)
1978

JOURNALS

Combustion and Flame (English)
Holdings: Vol. 1 (1957) -

Combustion, Explosion, and Shock Wave
(Trans. from Russian: Fizika Gorenija I Vzryva)
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Missing Volume: 7 (1971)

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